

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

I. LISTING OF CLAIMS:

1-15. (canceled).

16. (currently amended): A folding electric device comprising:

an upper unit;

a lower unit;

a connecting member that electrically connects said upper unit to said lower unit; and

a hinge that connects said upper unit to said lower unit,

wherein said hinge comprises:

a perpendicular opening and closing shaft to perpendicularly open and close said upper unit with respect to said lower unit; and

a horizontal rotation shaft, connected to said lower unit, to horizontally rotate said upper unit with respect to said lower unit, wherein said upper unit comprises:

a first engagement portion ~~being adapted to have~~ having said perpendicular opening and closing shaft inserted therein; and

a second engagement portion ~~being adapted to have~~ having said connecting member arranged therein.

17. (previously presented): The folding electric device as claimed in claim 16, wherein said horizontal rotation shaft is connected to said lower unit vertically to a surface of said lower unit.

18. (previously presented): The folding electric device as claimed in claim 16, wherein said horizontal rotation shaft is located between said first and second engagement portions.

19. (previously presented): The folding electric device as claimed in claim 16, wherein said first engagement portion and second engagement portion are formed separately from each other.

20. (previously presented): The folding electric device as claimed in claim 16, wherein said connecting member is arranged in a space on an extension line of one end side of said perpendicular opening and closing shaft.

21. (previously presented): The folding electric device as claimed in claim 16, wherein said connecting member is wound around said horizontal rotation shaft.

22. (previously presented): The folding electric device as claimed in claim 16, wherein said connecting member is a winding flexible board.

23. (previously presented): The folding electric device as claimed in claim 22, further comprising an operation input section, mounted on said hinge and electrically connected to said winding flexible board so that a user can operate said operation input section when said folding electric device is in a folded state.

24. (previously presented): The folding electric device as claimed in claim 16, wherein said folding electric device is a folding mobile phone.

25. (previously presented): The folding electric device as claimed in claim 16, further comprising a display arranged on said upper unit.

26. (previously presented): The folding electric device as claimed in claim 16, further comprising input keys arranged on said lower unit.

27. (previously presented): The folding electric device as claimed in claim 16, further comprising:

brackets fixed at opposites sides of said horizontal rotation shaft in a direction perpendicular to said horizontal rotation shaft and connected to said perpendicular opening and closing shaft in opening and closing shaft direction;

a base, on which said horizontal rotation shaft is mounted, fixed to said lower unit; and
a mount provided between said brackets.

28. (previously presented): The folding electric device as claimed in claim 27, wherein said horizontal rotation shaft is connected to said lower unit vertically to a surface of said lower unit.

29. (previously presented): The folding electric device as claimed in claim 27, wherein said horizontal rotation shaft is located between said first and second engagement portions.

30. (previously presented): The folding electric device as claimed in claim 27, wherein said first engagement portion and second engagement portion are formed separately from each other.

31. (previously presented): The folding electric device as claimed in claim 27, wherein said connecting member is arranged in a space on an extension line of one end side of said perpendicular opening and closing shaft.

32. (previously presented): The folding electric device as claimed in claim 27, wherein said connecting member is wound around said horizontal rotation shaft.

33. (previously presented): The folding electric device as claimed in claim 27, wherein said connecting member is a winding flexible board.

34. (previously presented): The folding electric device as claimed in claim 33, further comprising a bobbin, arranged between said horizontal rotation shaft and said base, for winding said winding flexible board around said horizontal rotation shaft.

35. (previously presented): The folding electric device as claimed in claim 33, further comprising flexible board fixing member for fixing said flexible board to said hinge.

36. (previously presented): The folding electric device as claimed in claim 33, further comprising an operation input section, mounted on said mount, for electrically connecting to said winding flexible board so that a user can operate said operation input section when said folding electric device is in a folded state.

37. (previously presented): The folding electric device as claimed in claim 33, wherein said folding electric device is a folding mobile phone.

38. (previously presented): The folding electric device as claimed in claim 27, further comprising a display arranged on said upper unit.

39. (previously presented): The folding electric device as claimed in claim 27, further comprising input keys arranged on said lower unit.